

Claims

1. Ring sealing arrangement for an indirectly heated rotary tubular kiln between a heating tunnel and a rotating tube (20) with several overlapping segments (10), forming a sealing ring, which are pressed by application pressure elements (30) radially against the rotating tube (20),
5 characterized in that
the segments (10) are essentially made of a heat-resistant, light construction sealing material.
2. Ring sealing arrangement according to Claim 1, characterized in that the segment material has a temperature stability greater than 280°C.
3. Ring sealing arrangement according to Claim 1 or 2, characterized by a temperature
10 stability of the segment material greater than 280° in an oxidizing atmosphere.
4. Ring sealing arrangement according to one of Claims 1-3, characterized in that the segments essentially are made of high temperature-resistant felt, preferably, carbon fibers.
5. Ring sealing arrangement according to one of Claims 1-4, characterized in that the application pressure element (30) is designed as a closed ring, which elastically encompasses the
15 segments radially on their side turned away from the rotating tube.
6. Ring sealing arrangement according to Claim 5, characterized in that the ring consists of several flat band-like sections (32), which are connected with one another, especially by springs (34), and form a tightening ring.
7. Ring sealing arrangement according to one of Claims 1-6, characterized in that the
20 segments (10) are made of a material which exerts a polishing effect on the sealing surface of the rotating tube.
8. Ring sealing arrangement according to one of Claims 1-7, characterized in that the application pressing force of the sealing is less than 300 kN.

9. Ring sealing arrangement according to one of Claims 1-8, characterized in that a cover or guide of the sealing ring has slits and/or recesses in such a way that rubbings are automatically removed from the sealing.

5 10. A ring sealing arrangement for an indirectly heated rotary tubular kiln between a heating tunnel and a rotating tube (20) with several overlapping segments (10), forming a sealing ring, which are pressed by application pressure elements (30) radially against the rotating tube (20), characterized in that, the application pressure element (30) is designed as a closed ring, which elastically encompasses the segments radially on their side turned away from the rotating tube.

10 11. Ring sealing arrangement according to Claim 10, characterized in that the ring consists of several flat band-like sections (32), which are connected with one another, especially by springs (34), and form a tightening ring.

15 12. Ring sealing arrangement according to Claim 10, characterized in that the segments (10) are made of a material which exerts a polishing effect on the sealing surface of the rotating tube.

13. Ring sealing arrangement according to Claim 10, characterized in that the application pressing force of the sealing is less than 300 kN.

20 14. Ring sealing arrangement for an indirectly heated rotary tubular kiln between a heating tunnel and a rotating tube (20) with several overlapping segments (10), forming a sealing ring, which are pressed by application pressure elements (30) radially against the rotating tube (20), characterized in that, a cover or guide of the sealing ring has slits and/or recesses in such a way that rubbings are automatically removed from the sealing.